

160192

Monday, April 24, 2017 9:12:28 AM

N900040100

Stop ***NS2***

?

~

Run Start *NR1*

Stop *NR2*

Date:

Memo
pull from stk
1 x D500-572-011 B150097
1 x D500-572-011 B151998
per ECN17-546

2 93
17-08-08

MAY 05 2017

2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					

Root Cause			FAULT CATEGORY							
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA ☐	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation ☐	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date ☐	☐	Manufacturing Process	OTHER : _____							
Misidentified ☐	☐	Past Due								

Work Order ID 160192

Monday, April 24, 2017 9:12:28 AM

160192

Page 2

Item ID: D500-572-011

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: MD369/MD500 Bearpaws

Start Date: 4/24/2017 Start Qty: 2.00

2

Cust Item ID:

Required Date: 5/12/2017 Req'd Qty: 2.00

2

Customer:

Reference: ECN17-546

Approvals:

Process Plan:

Date: MAY 04 2017

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

Pick Kit

0.00

160

Packaging

Memo

0.00

remove from kit per ECN17-546:

8 4 x D2438 B

8 4 x D2182B050 B

16 5 x AN4-15A B

return to stock using original BN

add to kits:

8 4 x D5472-1 B

8 4 x D5476-1 B

16 5 X AN4-13A B

* SMB
17/5/8

170

QC4- 100% Inspect kits for completeness

0.00

170

QC

Memo

0.06

Quality Control

2

RB
17-05-08

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
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Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Work Order ID 160192

Monday, April 24, 2017 9:12:28 AM

160192

Page 3

Item ID: D500-572-011

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: MD369/MD500 Bearpaws

Start Date: 4/24/2017 Start Qty: 2.00

2

Cust Item ID:

Required Date: 5/12/2017 Req'd Qty: 2.00

2

Customer:

Reference: ECN17-546

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

180

0.00

180

Packaging

Packaging

Memo

0.00

REPACKAGE PER PPP USING NEW BN
@ CHG006
NEW LABELS AND PAPERWORK REQ'D

Identify and pack for shipping as per PPPD500-572-011

LOCATION: FG013

x1 sold

190

QC21- Final Inspection - Work Order Release

0.00

190

QC

Memo

0.20

Quality Control

2**SmB
17/5/18****DAS
21
9-09****MAY 08 2017****DAS
21
9-09****MAY 08 2017**

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
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								Completed By	
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Root Cause			FAULT CATEGORY							
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Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
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Past Expiry Date ☐	☐	Manufacturing Process	OTHER : _____							
Misidentified ☐	☐	Past Due								

Picklist Print

Monday, April 24, 2017 9:12:26 AM

Page 1

Work Order ID: 160192

160192

Parent Item: D500-572-011

D500-572-011

Parent Item Name: MD369/MD500 Bearpaws

Start Date: 4/24/2017

Required Date: 5/12/2017

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev:C04.02.17Blank size changedKJ/JLM
IPP Rev:D 07-01-02 Was K10007 JLM
IPP Rev:E 08-01-09 Added Step 2 JLM Verified By:EC
IPP Rev:F 08-10-15 New Manufacturing Method JLM Verified By:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN4-13A		Purchased	No				Each	341.0000	8	16			
AN4-13A									**				
Bolt													

Location	Loc Qty	Loc Code
FG	20	
122808	20	
GA	70	
m134634	19	
m135470	51	
ST344	251	
m136787	1	
m137321	250	

AN4-15A		Purchased	No				Each	191.0000		-16			
AN4-15A									**				
Bolt													

Location	Loc Qty	Loc Code
GA	10	
120449	10	
over003	150	
m137280	150	
ST343	31	
m135859	31	

135122x1
134055 x 7
M134606

DAS 27 MAY 05 2017 9-89

DAS 27 MAY 05 2017 9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause			FAULT CATEGORY							
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
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Past Expiry Date ☐	☐	Manufacturing Process	OTHER : _____							
Misidentified ☐	☐	Past Due								

Picklist Print

Page 2

Monday, April 24, 2017 9:12:26 AM

Work Order ID: 160192

160192

Parent Item: D500-572-011

D500-572-011

Parent Item Name: MD369/MD500 Bearpaws

Start Date: 4/24/2017

Required Date: 5/12/2017

Start Qty: 2.00

Required Qty: 2.00

D2182B050 Manufactured No

Each 77.0000 -8

D2182B050

Clamp Cushion Black 5.0 " Long

**

DAS
0
9-88

MAY 05 2017

Location

Loc Qty

Loc Code

ST639

77

152511

1

158686

76

144001 x7
130422 x7

D2438 Manufactured No

Each 80.0000 -8

D2438

Clamp

**

DAS
0
9-88

MAY 05 2017

Location

Loc Qty

Loc Code

ST542

80

151376

2

152451

24

155069

44

155929

10

147538 x7
131052 x7

D500-572-011 Manufactured No

Each 0.0000 2

D500-572-011

MD369/MD500 Bearpaws

**

B 150093
B 151998

MAY 08 2017

D5472-1 Manufactured No

Each 0.0000 8

D5472-1

Cushion

**

160783 MAY 08 2017

DAS 88-6
0 27
9-88

D5476-1 Manufactured No

Each 8.0000 8

D5476-1

Clamp

**

DAS
0
9-88

MAY 05 2017

Location

Loc Qty

Loc Code

st533

8

159012

8

8

DAS
27
9-88

Monday, April 24, 2017 9:12:27 AM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

List Lots

Page 1 of 1

Monday, April 24, 2017 8:45:06 AM

Criteria : Item ID: d500-572-011 All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Lot Code	Type Code	Comments
D500-572-011	Main Warehouse	150097	2/15/2017	1.0000		QC21	CHG005	
MD369/MD500 Bearpaws	FG012							
	Main Warehouse	151998	1/23/2017	1.0000		QC21	CHG005	
	FG012							
Total:				2.0000				

Rele cws
 40 x D57472-1
 40 x D57476-1

Remove
 21 * D2182B0B0
 x D2438

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
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Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D500-572 REV. A OR LATER APPROVED REVISION AND
INSTALLATION FOR CONTINUED AIRWORTHINESS ICA-D500-572 REV. 0 OR LATER APPROVED REVISIONS

REF. TCCA STC: SH90-17
REF. FAA STC: SH849NE
REF. JAA STC: ACG.21NE2.104

SHOP COPY
UNCONTROLLED COPY
MAY 04 2017
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 160192

1.0 INTRODUCTION

It has come to DART's attention that the D2438 Clamps provided with D500-572-011 Bearpaw Kit at CHG 005 and earlier and D500-572-021 Bearpaw kit at CHG 006 and earlier might be too long.

2.0 PURPOSE

The purpose of this DSI (DART Service Instruction) is to change the clamp configuration for D500-572-011 Bearpaw Kits at CHG 006 and later and D500-572-021 Bearpaw Kits at CHG 007 and later and to introduce the DSI 9770-011 Clamp Kit for operators who wish to upgrade their existing D500-572-011/-021 Bearpaw Kits in service.

3.0 INSTRUCTIONS

These instructions reference Figure 1 of this service instruction. Figure 1 replaces Sections A-A and B-B of IIN-D500-572 (ref. Figures 2 and 3) and ICA-D500-572 (ref. Figures 32-1 and 32-2).

3.1 Jack up the aircraft and ensure the skidtubes are serviceable.

- 3.2 (i) For the D500-572-011 Bearpaw Installation: Position D2435 Bearpaw on the aft end of each skidtube so that both bearpaw clamps are located aft of the aft saddle as shown in Figure 2 of IIN-D500-572 and Figure 32-1 of ICA-D500-572.
(ii) For the D500-572-021 Narrow Bearpaw Installation: Position D2671 Bearpaw on the aft end of each skidtube so that both bearpaw clamps are located aft of the aft saddle as shown in Figure 3 of IIN-D500-572 and Figure 32-2 of ICA-D500-572.

3.3 The bearpaw may be relieved to clear wearshoe mounting screws provided the relief leaves 0.375" (9.53mm) thickness.

3.4 For the D500-572-011 and D500-572-021 Bearpaw Installations, the QS200M44S Clamps must be installed behind the forward D5476-1 Clamp to ensure that the bearpaw doesn't slip, as shown in Figures 2 and 3 of IIN-D500-572 and Figures 32-1 and 32-2 of ICA-D500-572.

3.5 Attach the D5476-1 Clamps and D5472-1 Cushions with the hardware shown in Figure 1 of this Service Instruction. Additional NAS1149D0463J (or AN960J0416) washers may be installed under the nuts to ensure 1.5-4 threads in safety on the bolts. Although not generally necessary, it is also acceptable to replace the AN4-13A bolts with longer or shorter AN4 bolts, if required.

CAUTION: The torque on the nuts should be limited to 20 in-lb (2.3 Nm)

3.6 Lower the aircraft.

3.7 Update the aircraft log book to indicate installation of the D500-572-011/-021 Bearpaw in compliance to DSI 9770.

4.0 WEIGHT AND BALANCE

This DSI has a negligible effect on weight and balance. For installation of the D500-572-011/-021 Bearpaws on high gear, the weight and balance numbers provided in IIN-D500-572 Rev. A and ICA-D500-572 Rev. 0 are still applicable. For installation of the D500-572-011/-021 Bearpaws on low gear, the weight and balance numbers provided in DSI 9290 Rev. A are still applicable.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)

DATE: 17.01.09
CERT. NO.: SH90-17
ISSUE NO.: 7

APPROVED

A	NEW ISSUE	MB	17.01.09
REV.	DESCRIPTION	BY	DATE
DESIGN	MB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	MB		
CHECKED	ML	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9770	SHEET 1 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	CLAMP KIT	NTS
DATE	17.01.09	COPYRIGHT © 2017 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

5.0 PARTS LIST

The parts list for D500-572-011/-021 Bearpaw Kits are updated as follows:

Qty -011	Qty -021	Part Number	Description
X		D500-572-011	BEARPAW INSTALLATION
	X	D500-572-021	NARROW BEARPAW INSTALLATION
2		D2435	BEARPAW
	2	D2671	BEARPAW
8	8	D2274	RADIUS BLOCK
8	8	D2529	WASHER
4	4	D5472-1	CUSHION (REPLACES D2182B050)
4	4	D5476-1	CLAMP (REPLACES D2438)
8	8	AN4-13A	BOLT (WAS AN4-15A)
8	8	NAS1149D0463J	WASHER (OR AN960JD416)
8	8	MS21042L4	NUT (OR MS21042-4)
2	2	QS200M44S	CLAMP

Operators who wish to upgrade their existing D500-572-011/-021 Bearpaw Kits in service can procure the DSI 9770-011 Clamp Kit from DART:

Qty -011	Part Number	Description
X	DSI 9770-011	BEARPAW INSTALLATION
8	D2274	RADIUS BLOCK
8	D2529	WASHER
4	D5472-1	CUSHION
4	D5476-1	CLAMP
8	AN4-13A	BOLT
8	NAS1149D0463J	WASHER (OR AN960JD416)
8	MS21042L4	NUT (OR MS21042-4)
2	QS200M44S	CLAMP

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

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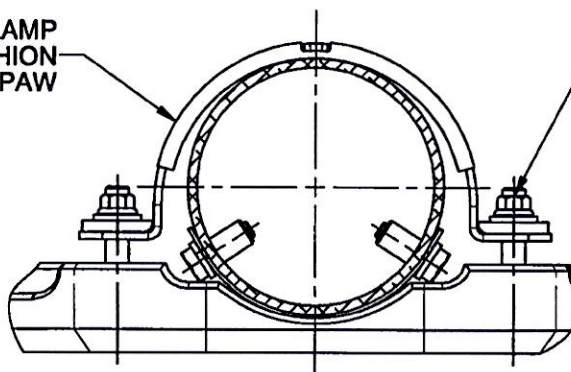
BY: 
D. SHEPHERD (DE # 02)

DATE: 17.01.09
CERT. NO.: SH90-17
ISSUE NO.: 7

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DESIGN	MB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	MB	
CHECKED	ML	DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9770 SHEET 2 OF 3
APPROVED	HS	TITLE SCALE
DE APPR.	DS	CLAMP KIT NTS
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D5476-1 CLAMP
D5472-1 CUSHION
2 PL PER BEARPAW



MS21042L4 NUT, SELF-LOCKING
NAS1149D0463J WASHER
D2274 RADIUS BLOCK
D2529 WASHER
AN4-13A BOLT
4 PL PER BEARPAW

FIGURE 1: SECTION VIEW
(REPLACE SECTIONS A-A AND B-B
OF IIN-D500-572 AND ICA-D500-572)

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